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This is most important in a machine which has to be used daily

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It is desirable to mention the name of this publication when writing to advertisers.

### A Visit to Guelph College

"Farming, as generally practised, is neither scientific nor is it business," said Prof. J. B. Reynolds to a representative of Farm and Dairy who visited the Ontario Agricultural College recently. "This is the situation in spite of all teaching through various mediums, including the agricultural press. Investments in modern labor saving implements and in drainage will pay dividends. Drainage is far from as common as it should be. Many seem afraid to invest their capital in their own business. I knew of cases where farmers are buying lots in the city and building on them instead of putting their money into their own business. No successful manufacturer would do that sort of thing."

#### THIS SEASON AN EYE OPENER

Prof. W. H. Day, who is at the head of the department that has charge of the drainage survey work that is being conducted on Ontario farms, said, "This spring has been an eye opener to those farmers who work undrained land. Farms that are drained are farther advanced with their seeding than those that are not drained. Once we get examples of the advantages of underdraining in a neighborhood the work soon grows." The professor informed us that already he had four farms on drainage survey work but he cannot employ as many more. A larger appropriation would be needed for this work next year. As many as 10 applications have been received in a day this spring. More applications for survey work are already in than were received during the whole of last year. In all probability the department will not be able to do more work this year than is covered by the applications already filed.

#### MONEY IN DRAINAGE

"Money talks in drainage as well as elsewhere," continued the professor. Referring to the article published in the May 13th issue of Farm and Dairy, the professor pointed out that of the three examples quoted in the returns from underdraining, the lowest was over 50 per cent. for the first year. In the second example given, over 100 per cent. was realized, and in the other several hundred per cent. "The chief difficulty in installing underdrains is the labor problem. The ditching machine is solving this question. We want about a dozen of these machines in Ontario during the present year." Prof. Day's brother has purchased a ditching machine and is giving his entire time to its operation.

#### PROFITS IN BROILERS

Over 200 broilers have been placed on the market this spring from the poultry department of the College. They realized from 40 to 45 cents a pound. Their average weight was two pounds. Prof. W. R. Graham stated that there was a profit of about 25 cents a piece on each broiler in spite of the fact that they had been hatched by Short Course Students who had never operated machines before.

#### ORCHARD SURVEY WORK

A new departure is being made by the Horticultural Department of the College. Two men are now in the Lake Huron district of Ontario on orchard survey work. These men are making an orchard and an agricultural survey of the district with a view to finding out the present conditions of agriculture, especially in reference to fruit growing, and to determine the possibilities of that section. The idea of such work originated in New York state five years ago. Similar work has been carried on also in the states of Oregon and Washington. Valuable, accurate statistics of fruit growing were obtained by means of these surveys. The idea of the survey is to find out the areas devoted to fruit growing, the number of acres, varieties of fruit, number of trees of different kinds,

production, prices and methods of selling. In the work now being done in Ontario, accurate statistical information is not being aimed at. The idea is more to get information that can be used to help farmers in that section of the country and to find out the possibilities of agriculture in particular sections in order that Government aid to agriculture may be wisely directed.

The College and its campus are in all the glory of their spring garb. While the crops on the farm and on the experimental plots are more or less backward, in keeping with the season, still they compare very favorably with those in other districts of Ontario. Much of interest and of instructive value awaits the excursionist when he visits the College this month.

### New District Agricultural Departments for Ontario

The Ontario Department of Agriculture is establishing three new branch departments in Peterboro, Carleton and Northumberland Counties respectively. Those appointed as teachers of agriculture in the high schools and to be district representatives of the department in these counties are:

Hugh C. Duff, for Peterboro County, stationed at Norwood, Ontario.

Harry Siret, for Carleton County, stationed at Carp, Ontario.

Two vacancies are for York County, stationed at Simco, Ontario.

The vacancy at Morrisburg, caused by the resignation of Mr. W. A. Gano, is to be filled by Mr. Archibald D. Campbell.

### It Pays to Test Cows

Now that the factory season is getting into full swing, farmers' are wondering how the cows will do this year. Cows are expected to make some profit. Great expectations are not always realised, and if pasture is poor, how is it to be kept up? Happy the man who has provided for a supply of green feed, and who has a silo for summer feeding.

Two tests are to be made. The yield of each cow should be kept on a scale. If the milk is weighed on only three days a month and samples tested once a month, then the owner will know very closely which cows are best producers. If weights are taken at every milking any sudden variation will be immediately observed, steps can then be taken to remove the cause.

If a record is kept of the feed, the most profitable cows can be detected, and some that might produce more if fed better will be given the opportunity.

This is what members of the cow testing associations are doing, studying each individual in the herd so as to make sure that each single cow kept is a profit. This is evidence of good business management. No one wants to harbour a cow that is incapable of making a good profit. Does each one of your cows pay? Do you know that she does? Guess work won't do these days.

Record blanks are supplied free on application to the Dairy Commission, Ottawa. Many men since commencing to record are now receiving \$60 a cow when they used to get but \$40, because they know which are the economical producers. It certainly does pay to test cows.—C.F.W.

At a meeting of the Board of Directors of the American Jersey Cattle Club held May 4th, 1909, the following resolution was adopted: "No private test shall be accepted for record, or published by the Club, that was made more than 12 months prior to the report of said test to the Club. This resolution is to go into effect January 1st, 1910.

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